IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

- 1. (Currently Amended): A low-carbon resulfurized free machining steel product, comprising, on the percent by mass basis, C 0.02% to 0.12%, Si: 0.01% or less, Mn: 1.0% to 2.0%, P: 0.05% to 0.20%, S: 0.35% to 0.60%, N: 0.007% to 0.03%, with the balance being Fe and inevitable impurities, the contents of Mn and S satisfying the following conditions: 0.40≤Mn*S<1.2 0.50≤Mn*S<ℂ.8 and Mn/S≥3.0, and the steel product having a ferrite-pearlite structure, wherein the average width (μm) of sulfide inclusions in the steel product is 2.8*(log d) or more, wherein d is the diameter (mm) of the steel product, and pro-eutectoid ferrite in the metallographic structure has a hardness HV of 133 to 150.
- 2. (Currently Amended): A low-carbon resulfurized free machining steel product comprising, on the percent by mass basis, C: 0.02% to 0.12%, Si: 0.01% or less, Mn: 1.0% to 2.0%, P: 0.05% to 0.20%, S: 0.35% to 0.60%, N: 0.007% to 0.03%, with the balance being Fe and inevitable impurities, the contents of Mn and S satisfying the following conditions 0.40<Mn*S<1.2 0.50<Mn*S<0.8 and Mn/S≥3.0, and the steel product having a ferrite-pearlite structure, wherein the average width (μm) of sulfide inclusions in the steel product is 2.8*(log d) or more, wherein d is the diameter (mm) of the steel product, and a difference in deformation resistance at a strain of 0.3 between 200°C and 25°C is 110 MPa or more and 200 MPa or less, the deformation resistances being determined at a deformation rate of 0.3 mm/min in a

compression test.

- 3. (Previously Presented): The low-carbon resulfurized free machining steel product according to claim 1, wherein the steel product further comprises 70 ppm or more of dissolved nitrogen.
- 4. (Previously Presented): The low-carbon resulfurized free machining steel product according to claim 1, wherein the machining steel product comprises a Cr content of not more than 0.04%, and wherein the total content of Ti, Nb, V, Al and Zr is not more than 0.020%.
- 5. (Previously Presented): The low-carbon resulfurized free machining steel product according to claim 1, further comprising one or both of Cu: more than 0.30% and equal to or less than 1.0% and Ni: more than 0.20% and equal to or less than 1.0%.
- 6. (Previously Presented): A method for producing a low-carbon resulfurized free machining steel product, comprising casting a steel having the composition as defined in claim 1, and controlling, before the casting, free oxygen (Of) to a content of 30 ppm or more and less than 100 ppm and the ratio Of/S to within a range from 0.005 to 0.030, Of and S being contained in molten steel before casting.
- 7. (Previously Presented): The low-darbon resulfurized free machining steel product according to claim 2, wherein the steel product further comprises 70 ppm or more of dissolved

nitrogen.

- 8. (Previously Presented): The low-carbon resulfurized free machining steel product according to claim 2, wherein the machining steel product comprises a Cr content of not more than 0.04%, and wherein the total content of Ti, Nb, V, Al and Zr is not more than 0.020%.
- 9. (Previously Presented): The low-carbon resulfurized free machining steel product according to claim 3, wherein the machining steel product comprises a Cr content of not more than 0.04%, and wherein the total content of Ti, Nb, V, Al and Zr is not more than 0.020%.
- 10. (Previously Presented): The low-carbon resulfurized free machining steel product according to claim 2, further comprising one or both of Cu: more than 0.30% and equal to or less than 1.0% and Ni: more than 0.20% and equal to or less than 1.0%.
- 11. (Previously Presented): The low-carbon resulfurized free machining steel product according to claim 3, further comprising one or both of Cu: more than 0.30% and equal to or less than 1.0% and Ni: more than 0.20% and equal to or less than 1.0%.
- 12. (Previously Presented): The low-carbon resulfurized free machining steel product according to claim 4, further comprising one or both of Cu: more than 0.30% and equal to or less than 1.0% and Ni: more than 0.20% and equal to or less than 1.0%.

- 13. (Previously Presented): A method for producing a low-carbon resulfurized free machining steel product, comprising casting a steel having the composition as defined in claim 2, and controlling, before the casting, free oxygen (Of) to a content of 30 ppm or more and less than 100 ppm and the ratio Of/S to within a range from 0.005 to 0.030, Of and S being contained in molten steel before casting.
- 14. (Previously Presented): A method for producing a low-carbon resulfurized free machining steel product, comprising casting a steel having the composition as defined in claim 3, and controlling, before the casting, free oxygen (Of) to a content of 30 ppm or more and less than 100 ppm and the ratio Of/S to within a range from 0.005 to 0.030, Of and S being contained in molten steel before casting.
- 15. (Previously Presented): A method for producing a low-carbon resulfurized free machining steel product, comprising casting a steel having the composition as defined in claim 4, and controlling, before the casting, free oxygen (Of) to a content of 30 ppm or more and less than 100 ppm and the ratio Of/S to within a range from 0.005 to 0.030, Of and S being contained in molten steel before casting.
- 16. (Previously Presented): A method for producing a low-carbon resulfurized free machining steel product, comprising casting a steel having the composition as defined in claim 5, and controlling, before the casting, free oxygen (Of) to a content of 30 ppm or more and less than 100 ppm and the ratio Of/S to within a range from 0.005 to 0.030, Of and S being

contained in molten steel before casting.

- 17. (Previously Presented): The steel product of claim 1, in the form of a nipple.
- 18. (Previously Presented): The steel product of claim 1, in the form of a screw.
- 19. (Previously Presented): The steel product of claim 1, in the form of a wire rod.
- 20. (Previously Presented): The steel product of claim 1, in the form of a steel bar.